## PCT

## REQUEST

For receiving Office use only
International Application No.
International Filing Date
Name of receiving Office and "PCT International Application"
Applicant's or agent's file reference

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The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Of	fice and "PCT In	ternational Application"	
·	Applicant's or agent's (if desired) (12 charac	file reference cters maximum)	050508-2400	
Box No. I TITLE OF INVENTION DIALYSATES AND METHODS AND SYSTEMS RELAT	ED THERETO			
	on is also inventor			
Name and address: (Family name followed by given name; for a legal entil The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	Telephone No.			
EMORY UNIVERSITY Office of Technology Transfer 1784 N. Decatur Road		Facsimile No.		
Suite 130 Atlanta, GA 30322 US		Teleprinter No.		
		Applicant's regi	stration No. with the Office	
State (that is, country) of nationality: US	State (that is, country US	y) of residence:		
	d States except	the United States of America only	the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FU		<del></del>	the supplemental Box	
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of a Box is the applicant's State (that is, country) of residence if no State of residenty. O'NEILL, W. Charles 113 Kirk Crossing Decatur, GA 30030		inventor is marke	nt only  at and inventor  only (If this check-box  ed, do not fill in below.)  ration No. with the Office	
State (that is, country) of nationality:	State (that is countries		union its. with the office	
US	State (that is, country US	y) of residence:		
for the purposes of: States Lithe United S	tates of America	the United States of America only	the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated	d on a continuation she	eet.		
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The person identified below is hereby/has been appointed to ac the applicant(s) before the competent International Authorities	as:	agent	common representative	
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of count	full official designation. try.)	Telephone No. (770) 933-9500		
LEE, Cynthia J. THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 Galleria Parkway, N.W.		Facsimile No. (770) 951-0933	·	
Suite 1750 Atlanta, GA 30339-5948 US		Teleprinter No.		
		Agent's registrat	ion No. with the Office	
		46,033		
Address for correspondence: Mark this check-box whe the space above is used instead to indicate a special address.	re no agent or common ess to which correspon	representative is dence should be	/has been appointed and sent.	

Form PCT/RO/101 (first sheet) (January 2004) LegalStar 2004, Form PCTREQ

See Notes to the request form

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet show	ild not be included in the request		
Name and address: (Family name followed by given name; for a legather address must include postal code and name of country. The count Box is the applicant's State (that is, country) of residence if no State of rest LOMASHVILI, Koba 1507 N. Decatur Road, Apt. #4 Atlanta, GA 30307 US	al entity, full official designation. This person is:		
State (that is, country) of nationality:			
GE	State (that is, country) of residence: US		
This person is all designated all designated United	gnated States except the the United States of America only the States indicated in the Supplemental		
Name and address: (Family name followed by given name: for a lega The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of residence			
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the all designated States all designated United S	nated States except the the United States of America only the States indicated in the Supplemental		
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State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the all designated States all designated States	nated States except the the United States the States indicated tates of America of America only the Supplemental		
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of resid.	of the address indicated to at 1		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is all designated all design applicant for the States united St	ated States except the the United States the States indicated ates of America only the Supplemental		
Further applicants and/or (further) inventors are indic	cated on another continuation sheet.		

Sheet	Nο	3

Box	Box No.V DESIGNATIONS					
The inter	filing of national national	this request of filing date, fo patents.	constitutes under Rule 4.9 or the grant of every kind of	(a), the designation of protection available and	all Contracting States by where applicable, for the	oound by the PCT on the the grant of both regional
How	ever,				•	
			esignated for any kind of na			
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(The effec to th	check-b t, under e conseq	oxes above mu the national la uences of sucl	ay be used to exclude (irrev aw, of an earlier national ap h national law provisions in	ocably) the designation oplication from which pi these and certain other	s concerned in order to riority is claimed. See t States.)	avoid the ceasing of the he Notes to Box No. V as
	No. VI	PRIORITY C				
The	priority o	of the followin	g earlier application(s) is he	ereby claimed:		· · · · · · · · · · · · · · · · · · ·
of	Filing earler ar	date oplication	Number of earlier application	W	here earlier application	is:
(	day/mon		or earner application	national application: country or Member	regional application:* regional Office	international application: receiving Office
item 2	28 Octob	per 2003 /2003)	60/515,174	US		
item	(2)			•		
item	(3)					
	Further p	riority claims	are indicated in the Suppler	mental Box.		
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:						
	all items	🛮 ite	m (1) item (2)	) item (3	)	ee Supplemental Box
* Who	ere the ea trial Prop	rlier applicatio erty or one Mei	n is an ARIPO application, in mber of the World Trade Orga			
• • • •						
	No. VII		TIONAL SEARCHING A			
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):						
ISA/us						
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):						
Date	(day/mor	ıth/year)	Numb	er Cou	ntry (or regional Office)	)
Box No. VIII DECLARATIONS						
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Number of declarations						
		. VIII (i)	Declaration as to the ident	tity of the inventor		:
	Box No	. VIII (ii)	Declaration as to the appli filing date, to apply for an	cant's entitlement, as at t d be granted a patent	the international .	:
	Box No	. VIII (iii)	Declaration as to the appli filing date, to claim the pro-	cant's entitlement, as at i	the international cation	:
	Box No. VIII (iv)  Declaration of inventorship (only for the purposes of the designation of the United States of America)			:		
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:						

Sheet	No	4

Box No. IX CHECK LIST; LANGUAGE OF FILING			
This international application contains:  (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items	
request (including	1.  fee calculation sheet	:	
declaration sheets) : 4  description (excluding	2.  original separate power of attorney	:	
sequence listing and/or	3. Original general power of attorney	:	
	4. copy of general power of attorney; reference number, if		
abstract : 1	5.  statement explaining lack of signature		
drawings : 5	6. priority document(s) identified in Box No. VI as	•	
Sub-total number of sheets 44 sequence listing	7. translation of international application into	. :	
tables related thereto : (for both, actual number	8. separate indications concerning deposited microorganism of other biological material	: r	
of sheets if filed in paper form, whether or not also	9. sequence listing in computer readable form (indicate type and number of carriers)	;	
filed in computer readable form; see (c)	(i) copy submitted for the purposes of international search und Rule 13ter only (and not as part of the international applications)	ler	
Total number of sheets : 44  (b) only in computer readable form (Section 801(a)(i))	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column additional copies including, where applicable, the copy for purposes of international search under Rule 13ter	mn) the	
(i) sequence listing (ii) tables related thereto	(iii) together with relevant statement as to the identity of the co or copies with the sequence listing mentioned in left column	py n :	
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)	;	
(i) ☐ sequence listing (ii) ☐ tables related thereto	(i) copy submitted for the purposes of international search und Section 802(b-quater) only (and not as part of the international application)	ler onal	
Type and number of carriers (diskette, CD-ROM, CD-R or other)	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in column) additional copies including, where applicable copy for the purposes of international search under Se 802(b-quater)	left the	
on which are contained the sequence listing:	802(b-quater)  (iii) together with relevant statement as to the identity of the co	: ov	
tables related thereto:	(iii) together with relevant statement as to the identity of the coor copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. other (specify): Certificate of Express Mail; Return Postcard; Transmittal Letter	:	
Figure of the drawings which should accompany the abstract:  Language of filing of the international application:  English			
Box No. X SIGNATURE OF APPLICANT, A Next to each signature, indicate the name of the person sign.	AGENT OR COMMON REPRESENTATIVE ing and the capacity in which the person signs (if such capacity is not obvious from reading	g the request).	
anthra g. Lee			
Cynthia/J. Lee Attorney for Applicant			
For receiving Office use only			
Date of actual receipt of the purported international application:	2. Dr	awings:	
		eceived:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:			
4. Date of timely receipt of the required corrections under PCT Article 11(2):			
5. International Searching Authority (if two or more are competent): ISA/  6. Transmittal of search copy delayed until search fee is paid			
For International Bureau use only —			
Date of receipt of the record copy by the International Bureau:			
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This sheet is not part of and does not count as a sheet of the international application.

PCT		For receiving Office use only		
	FEE CALCULATION SHEET			
Annex to the Request		International Application No.		
file	plicant's or agent's reference 050508-2400	Date stamp of the receiving Office		
	plicant			
EN	IORY UNIVERSITY et al.			
CA	LCULATION OF PRESCRIBED FEES			
1.	TRANSMITTAL FEE	300.00 T		
2.	SEARCH FEE	1,000.00 S		
	International search to be carried out byUS	<del></del>		
	(If two or more International Searching Authorities are compet the international search, indicate the name of the Authority wh carry out the international search.)	ent to carry out ich is chosen to		
3.	INTERNATIONAL FILING FEE			
	Where item (b) and/or (c) of Box No. IX apply, enter Sub-total n Where item (b) and (c) of Box No. IX do not apply, enter Total n	umber of sheets }		
	il first 30 sheets	1,134.00 il		
	[i2] 14 x 12.00 -	168.00[2]		
	number of sheets in excess of 30 fee per sheet	)		
	additional component (only if sequence listing and/or tables thereto are filed in computer readable form under Section 80 or both in that form and on paper, under Section 801(a)(ii)):	s related 01(a)(i),		
	400 x = [			
	Add amounts entered at i1, i2 and i3 and enter total at I	1,302.00 [		
	(Applicants from certain States are entitled to a reduction international filing fee. Where the applicant is (or all applicants the total to be entered at I is 25% of the international filing fee.)	of 75% of the are) so entitled,		
4.	FEE FOR PRIORITY DOCUMENT (if applicable)	20.00 P		
_	TOTAL SEES BAYADLS	2,622.00		
	TOTAL FEES PAYABLE	TOTAL		
	Add amounts entered at T, S, I and P, and enter total in the TOTA	L OOX		
MODE OF PAYMENT				
Ø	authorization to charge deposit account (see below) postal money order	cash coupons		
	cheque	revenue stamps		
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT				
(T)	is mode of payment may not be available at all receiving Offices)	Receiving Office: US		
	Authorization to charge the total fees indicated above.	Deposit Account No.: 20-0778		
	(This check-box may be marked only if the conditions for deposit	Date: 27 October 2004		
	accounts of the receiving Office so permit) Authorization to char deficiency or credit any overpayment in the total fees indicated a	ge anv		
Ø	Authorization to charge the fee for priority document.	Signature: Lathuag. Lee		